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|-------------------------------|---------------------------|------------------|
| <b>Notice of Allowability</b> | Application No.           | Applicant(s)     |
|                               | 10/642,485                | WENG, MING-BI    |
|                               | Examiner<br>Ismael Negron | Art Unit<br>2875 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to Amendment filed June 13, 2005.
2.  The allowed claim(s) is/are 15 and 16.
3.  The drawings filed on 13 June 2005 are accepted by the Examiner.
4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
 of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment filed on June 13, 2005 has been entered. No claim has been amended. Claims 1-14 have been cancelled. Claims 15 and 16 have been added. Claims 15 and 16 are still pending in this application, with Claim 15 being independent.
  
2. The drawings were received on June 13, 2005. These drawings are acceptable.

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

3. The application has been amended as follows:

### **IN THE CLAIMS**

Claim 15. A lighting system with plurality of displaying sequences for a footwear comprising:  
a plurality of light emitting sources;  
a power source for providing power;

a switch turning "on" and "off" responsive to motions of the footwear; a key trigger being triggered in response to the turning "on" of the switch in an actuating period and the key trigger being inactive in response to an inactive time period;

a sequence input key; the sequence input key having a plurality of inputs for determining a flashing sequence of the light sources;

a light source display sequence driver for driving the light sources to flash; the light source display sequence driver including a plurality of normal sequences for flashing the light sources and a plurality of dummy sequences for flashing no light sources;

wherein the light source display sequence driver further comprises:

an inactive time generator for generating an inactive time period to the key trigger; ~~in this inactive time period, the trigger will be being inactive during the inactive time period~~ even if the switch turns "on";

a controller receiving inputs from the key trigger and sequence input key; so as to cause the light sources to emit light in response to a selective sequence from the sequence input key; the controller is being actuated by the key trigger; the controller randomly determines determining a sequence for the illumination of the light sources;

a sequence selector serves for actuating a sequence for displaying the light sources according to the indication from the controller; the sequence

selector actuates actuating the inactive time generator for generating an inactive time period according to a selected sequence from the controller;

a normal sequence block stores storing a plurality of sequences for actuating the light sources; the normal sequence block actuates actuating a selected sequence in response to an indication from the sequence selector; the dummy sequence is arranged in one of a plurality of positions including before flash of the normal sequence; between two normal sequences, after flashing of the normal sequence;

a dummy sequence block stores storing a plurality of dummy sequences, i.e., sequences which do not actuate any light sources, the dummy sequence block actuates actuating no light source;

a random generator is used to determine determining an order of the dummy sequence and normal sequence.

#### ***Allowable Subject Matter***

4. Claims 15 and 16 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Applicant teaches a lighting system for displaying a plurality of sequences in footwear. The illumination system includes a plurality of light emitting sources, a power source, a motion sensitive switch, a key trigger responsive to the switch, and a light source display sequence driver. The sequence driver includes a plurality of sequences for

flashing the light sources and a plurality of dummy sequences for flashing no light sources irrespective of the action of the switch.

No prior art was found teaching individually, or suggesting in combination, all of the features of the applicants' invention, specifically a sequence driver including a plurality of dummy sequences for flashing no light sources irrespective of the action of the switch.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ismael Negron whose telephone number is (571) 272-2376. The examiner can normally be reached on Monday-Friday from 9:00 A.M. to 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra L. O'Shea, can be reached on (571) 272-2378. The facsimile machine number for the Art Group is (703) 872-9306.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications maybe obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, go to <http://pair-direct.uspto.gov>. Should you have questions on access to Private PAIR system, contact the Electronic Business Center (EBC) toll-free at 866-217-9197.



THOMAS M. SEMBER  
PRIMARY EXAMINER



August 16, 2005